

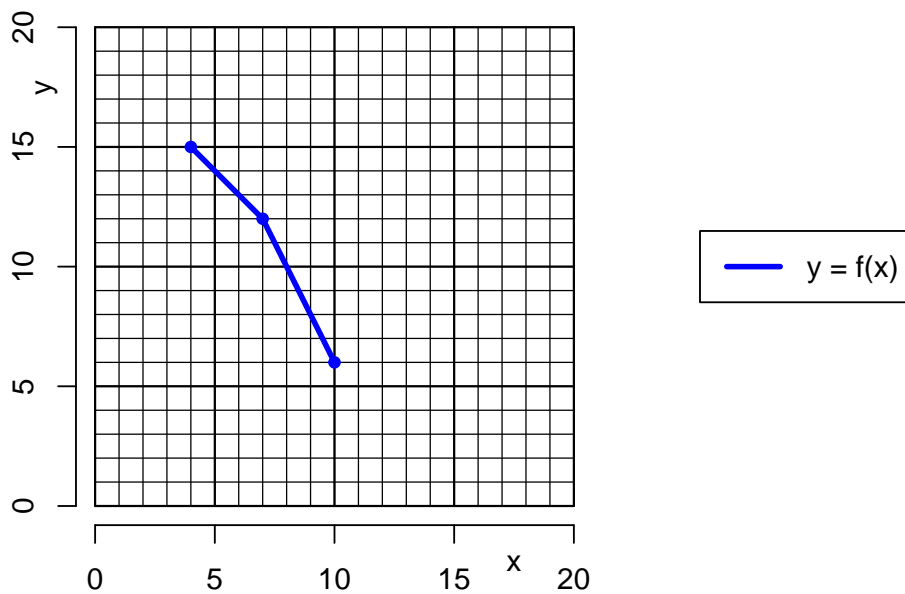
Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_18 Find new points after transformation (version 20)

### Question 1

Curve  $y = f(x)$  contains points  $(4, 15)$  and  $(7, 12)$  and  $(10, 6)$ , as shown on the  $x$ - $y$  plane below.

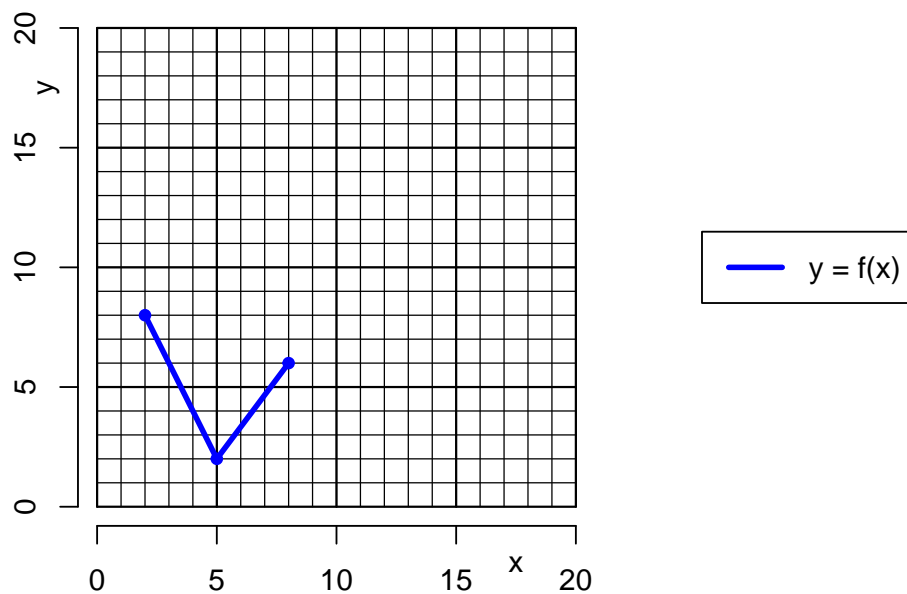


On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f\left[\frac{x}{2} + 1\right] - 6}{3}$$

## Question 2

Curve  $y = f(x)$  contains points  $(2, 8)$  and  $(5, 2)$  and  $(8, 6)$ , as shown on the  $x$ - $y$  plane below.



On the same plane, please draw the curve represented by the equation below:

$$y = 3f\left[\frac{x-2}{2}\right] - 6$$